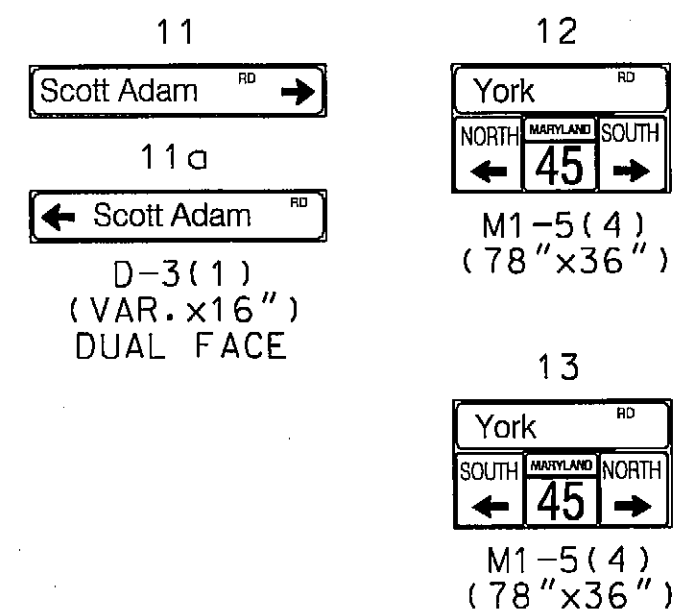


MD 45 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

#### PROPOSED SIGNS



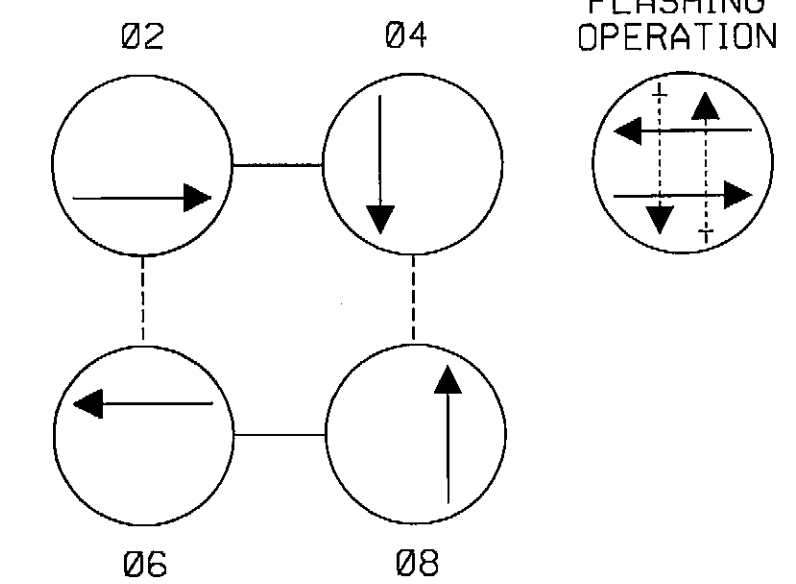
#### PROPOSED SIGNALS

1-9  
R  
Y  
G  
12"

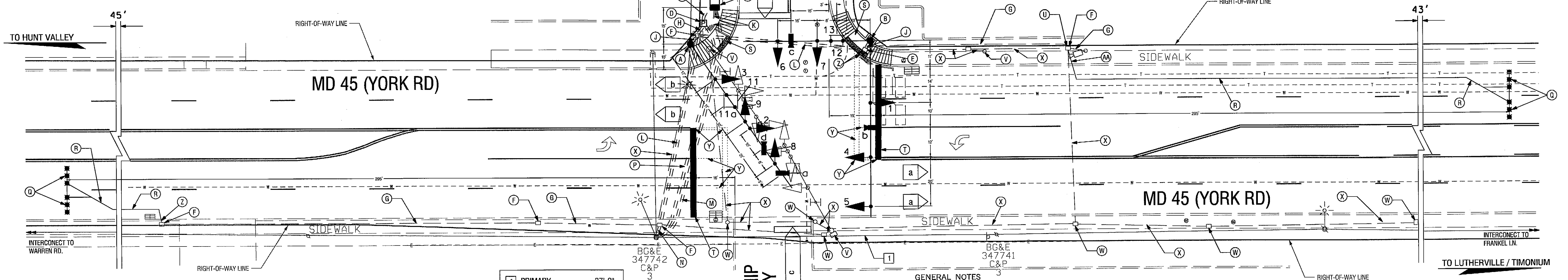
#### PROPOSED VIDEO DETECTION

a.b.c.d

#### NEMA PHASING



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



#### CONSTRUCTION DETAILS

- INSTALL 27FT MAST ARM POLE WITH A 70FT MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, A 15FT LIGHTING ARM AND A 250W HPS LUMINAIRE (NOTE: 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND).
- INSTALL 27FT MAST ARM POLE WITH TWIN 50FT/70FT MAST ARMS, SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS (NOTE: 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND).
- INSTALL BASE MOUNTED CABINET AND CONTROLLER (NOTE: 2-2" AND 2-4" SCHEDULE 80, 90 DEGREE CONDUIT BENDS).
- INSTALL EMBEDDED METERED SERVICE PEDESTAL.
- ADJUST HANDHOLE TO GRADE.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED.
- INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED (STUB UP AT BGE POLE # 347742 AND CAP FOR TELEPHONE SERVICE).
- INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED (STUB UP AT BGE POLE # 347742 FOR INTERCONNECT).
- INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED (STUB UP AT BGE POLE # 347742 AND CAP FOR PROPOSED SERVICE).
- INSTALL MICROLOOP PROBES.
- INSTALL SAWCUT AND MICROLOOP PROBE LEAD-IN CABLE.
- INSTALL STANDARD SIDEWALK RAMP (MD 655.12) WITH DETECTABLE WARNING SURFACE (MD 655.40).

- INSTALL 24" HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- PULL BACK AND REROUTE EXISTING RED-LIGHT CAMERA CABLES TO PROPOSED CABINET.
- REMOVE SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT.
- REMOVE EXISTING HANDHOLE.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING PAVEMENT MARKING.
- INSTALL 1" FLEXIBLE CONDUIT SLEEVE FOR MICROLOOP PROBE LEAD-IN.
- INSTALL 1" RIGID GALVANIZED CONDUIT SLEEVE FOR MICROLOOP PROBE LEAD-IN.

#### GEOMETRIC LEGEND

—SD—SD— EXISTING  
—SD—SD— PROPOSED

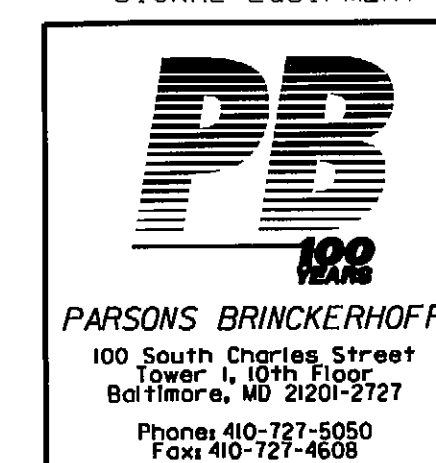
#### UTILITY LEGEND

—SD—SD— STORM DRAIN  
—G—G— GAS MAIN  
—W—W— WATER MAIN  
—S—S— SEWER MAIN  
—E—E— ELECTRIC CABLES  
—A—A— AERIAL CABLES  
—T—T— TELEPHONE CABLES  
—F—F— FIBER-OPTIC

1	PRIMARY	37'-9"
	PRIMARY	30'-11"
	SECONDARY	23'-3"
	SECONDARY	23'-10"
	SECONDARY	22'-7"
	INTERCONNECT	19'-10"
	TELEPHONE	18'-9"
	TELEPHONE	18'-3"
	TELEPHONE	17'-2"

#### GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH ADMINISTRATION STANDARDS.
- PROIR TO START OF CONSTRUCTION CONTACT MR. GREGORY CARSKI AT 410-887-3554 OF BALTIMORE COUNTY TRAFFIC REGARDING OPERATION OF THE EXISTING "RED LIGHT CAMERA" EQUIPMENT.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL EXCEPT AS STATED ON THE GENERAL INFORMATION SHEET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
- ALL DETECTABLE WARNING SURFACES SHALL BE RED CLAY BRICK PAVERS.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL CONDUIT ENDING AT A UTILITY POLE SHALL BE STUBBED OUT ONE (1) FOOT ABOVE GROUND.
- THE CONTRACTOR SHALL REMOVE SIDEWALK/CONCRETE, INSTALL SIGNAL EQUIPMENT AND TRENCH CONDUIT AND REPLACE SIDEWALK/CONCRETE FOR SIGNAL EQUIPMENT IN SIDEWALK/CONCRETE.



APPROVALS

TEAM LEADER

ASST. DIR. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

#### REVISIONS

RECONSTRUCT SIGNAL J639

CONTRACT # B4195168 R109

KMP

E ADDED VIDEO DETECTION CAMERAS

CONTRACT NO. AT7258185

BRD 1 NM 1

D AS BUILT FOR RED LIGHT CAMERA INSTALLATION

RFZ

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 45 AND SCOTT ADAM ROAD  
COCKEYSVILLE, MD

#### TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 7-25-1972 CONTRACT NO.

DESIGNED BY COUNTY BALTIMORE

DRAWN BY W.R. SMITH LOGMILE 03004507.41

CHECKED BY TIMS NO. J639

FAP NO. TOD NO.

TS NO. 261F DRAWING SP-03 OF 39 SHEET NO. 1 OF 2

PLOTTED: 6/24/2015  
FILE: T:\73088a\_Dist\cd6Traffic\enTask 4\_TEDD\_Simulus\Plans\MD45\_ScottAdam\_GP.dgn